

Curriculum Vitae'

Y PRADEEP REDDY

Email Id: yellapagaripradeep@gmail.com

Mob: +91 9052698431

CAREER OBJECTIVE:

To seek a challenging & growth oriented career with a progressive organization where I could utilize my skills and knowledge at greater extent to achieve best.

PROFESSIONAL OVERVIEW:

I am currently associated as **P3 group- Engineering services for Designtech systems pvt. Ltd.** And deputed in **Mercedes Benz Research and Development India**

- Around 3.5 years of experience in Automotive Design at Mercedes Benz R&D India and Escorts Tractors R & D Center (OEM) Faridabad.
- Successfully completed various projects in Engine and Transmission (power train) Development, Designing of Components, preparing drawings for manufacturing, applying GD&T and doing Tolerance stack up.
- Hands on experience in Designing and Modeling of CASTINGS and HEAVY ENGINEERING.
- Possess notable competency in the areas of UG NX-8.5, 9, 10, 11, AutoCAD and in manufacturing & have good knowledge and proficiency of Catia V5.
- Interacting with other functional departments and updating the new developments in the various designs parameters and keep the design up to date.
- Coordinating with planning team (NPD), manufacturer (Suppliers) regarding drawings.
- Proficient in evaluate design methods and determine cost-effectiveness of designs.
- Taking care of the data in the PLM system with proper procedures.
- Ensure that prototype samples meet appearance and functional performance requirements & Ensure modifications of 3D models along with their drawings as per the issues recorded during proto buildup & proto mockup.

PROFESSIONAL EXPERIENCE

CLIENT: Mercedes Benz Research and Development India, Bangalore

Department: Engine Design (Power Train)

Role: Team member (Design & Development)

Projects: Mitsubishi Fuso Truck and Bus Corporation 4D34g Series.

Nature of work:

- Modelling and Detailing of Engine Components.
- Performing tolerance stack up for the engine peripheral mountings.
- Worked in Fuel Cell project in packaging department.
- Taken considerations as the tooling feasibility and packaging sequence.
- Done the electrical and mechanical routing for the fuel cell.

EMPLOYMENT SUMMARY:

PREVIOUS EMPLOYER: Designtech systems ltd. Pune Maharashtra

CLIENT: Escorts agri machinery Pvt. Ltd., Faridabad, Haryana.

Department: Power Train department

Role: Team member (Design & Development)

❖ Technical Experience:

- Product design and development of Engine and Transmission components.
- Performed bench marking of the competitor design for the key Engine & Transmission components and Creation & Modification of 3D models, preparation of manufacturing drawings to meet the design requirements.
- Design and modeling of big structure Gear Box & Center Housing for transmission from sand casting and high pressure die castings, differential case, Forging Part (fork, gear, guide rail etc).
- Applied numerous cost and weight targets for better improvements of Casting components
- Applying **Gd&T** where ever necessary & **Tolerance Stack Up** for Engine & Transmission Components and its Sub – Assemblies level.
- Release of Assembly, components and drawings under ECP, ECA Process.
- Creation & review of Bill of Material and documentation on Oracle Software.
- Worked in the areas of Value analysis and value engineering (**VAVE**) for the engine and peripherals.
- Participation in the areas of Design for assembly (**DFA**), Design for Reliability (**DFR**), and Design for serviceability (**DFS**).

MAJOR PROJECTS WORKED WITH:

Project I: CRDi 50HP Farmtrack

Roles & Achievements:

- Prepared Engine layout of CRDi model and performed DMU
- Changes in design of parts and assembly if any problem encountered in layout.
- Design change in Exhaust manifold for turbocharger mounting and EGR provision.
- Value engineering of oil sump and performed necessary calculations for oil level
- Feedback from Vehicle integration & Transmission department & make necessary changes as per required.
- Creating 2D casting & machining drawing and release in team center.
- Concept Generation in 2D on AutoCAD, Creation of 3D Models, Drawing release in team center (PLM).

Project II: 110HP TCI

Roles & Achievements:

- Design change in existing cylinder block as per supplier feedback for manufacture feasibility
- Design and development of Exhaust after treatment (DOC+DPF) Mounting.
- Design of EGR system lay outing to control emission for Euro models.
- Preparation of Add Delete list as per the changes with respective assemblies.

Project III: ESCORTS Compact Tractor (9+3) of Rear axle

Roles & Achievements:

- Bench marking of a competitor transmission
- Development of MRPTO Shifting Concept.
- To prepared parametric 3D model with core pattern of rear axle.
- Study the tooling feasibility & implement the change in part design as per tooling

ACADEMIC CREDENTIALS:

Education	Board / Institute	Percentage	Year of passing
Engineering	SVIT	61.88%	2014
Intermediate	Board of intermediate	64.5%	2010
S.S.C	Board of AP	73.4%	2007

SPECIAL COURSE :

- Trained on tractor principal working, lubrication system, cooling system engine and transmission 3-point linkage working in the tractor nagar, Garladinae(A.P).
- Trained on how to utilize various heat loses in locomotive engine as a part of B.Tech project in Gooty railway shed

PERSONAL DETAILS:

Father's name : Y Ramanjaneya Reddy
Mother's name : Y Naga Lakshmi
Strength : Perseverance, analytical proficiency, Good grasping skill
Hobbies : Watching Cartoons, Playing Sports, Travelling.
Languages Known : Hindi, Telugu, English

Date:

Place: Faridabad

Y Pradeep Reddy